

Town of Scituate



Department of Public Works

Sean Anderson, Superintendent
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Water Division

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Town of Scituate

Laura Harbottle AICP, Town Planner
600 Chief Justice Cushing Highway
Scituate, MA 02066

Dear Laura:

This is in response to your letter dated April 26, 2016 regarding a Residential Compound Development Special Permit Application - 101, 103, and 105 Hatherly Road. After reviewing the plans the Water Division is requiring the following:

- Extension of the water main approximately one hundred and thirty feet further into the development.
- Installation of one additional 8 inch line gate valve.
- Replacement of any 90 degree bends with 2 - 45 degree bends.
- Adherence to Subdivision Rules and Regulations as applicable to water. See attached.

If you have any questions, please feel free to call me at 781-545-8735.

Thank you,

A handwritten signature in blue ink, appearing to be "S. Anderson", is written over a faint, larger blue ink signature.

Sean Anderson
Water Superintendent

**New connections of landscape irrigation systems to the Scituate municipal water system are not allowed as established by a vote of the Board of Selectmen acting in their capacities as Water Commissioners. Violations shall be subject to a fine of up to \$100.00 per day.*

WATER SUPPLY SECTIONS

SUBDIVISION RULES AND REGULATIONS

6.3.4 Required Supporting Documentation.

The following reports or documents shall be submitted with each application for a Definitive Plan:

3. **Water Service.** The applicant is encouraged to discuss the application with the DPW prior to submittal to determine how water can best be provided. The applicant is advised that permission of the Department of Public Works is required for tie-in to the municipal system. Proposals must obtain all necessary permits required by the DPW prior to connecting to the system.

The applicant shall provide a statement describing how water service will be provided to the site together with documentation of the estimated water demand of the proposed subdivision and the capacity of the municipal system at the point of connection. This estimated water demand shall include domestic water demand, fire protection demand, and all other water demands.

The Department of Public Works requires the applicant to provide additional information sufficient to determine that the supply of water is adequate for the prospective use by the proposed development. This may include water flow tests including water system flow rate and pressure tests conducted in the vicinity of the proposed point(s) of connection. The applicant shall provide the Planning Board with copies of all information submitted to the Department of Public Works in the course of their review.

The Department of Public Works shall inform the Planning Board of any conditions that should be required in order to secure safe, adequate water service for the proposed subdivision, and shall coordinate its review of the water distribution system with the Planning Board, with consideration for the required time frames for Planning Board approval of a Definitive Plan.

6.11.5 As-Built Plans.

The following as-built plans and profiles, prepared by a Registered Professional Engineer or Registered Land Surveyor, shall be submitted to the Planning Board following the completion of construction and, in addition, at such time during the course of construction as required by the Director of Public Works. The applicant's engineer of record shall provide a stamped certification to the Department of Public Works and the Planning Board that all construction conforms to the As-Built Plans. Detailed checklists for the items required are available from the Department of Public Works. A completed checklist must

be submitted for each item.

1. A street layout plan, clearly and legibly drawn with waterproof ink upon linen, mylar, or their equivalent, at a scale of 1"=40', in form approved by the Planning Board's engineer as suitable for submission to the Town Meeting for street acceptance for purposes and for filing in the Plymouth County Registry of Deeds.
2. A plan and profile, clearly and legibly drawn with waterproof ink upon linen, mylar, or their equivalent, or prepared on another suitable, permanent reproducible material, at a scale of 1"=40', detailing street locations, house locations, if any, and grades and the location and elevation of all underground utilities and appurtenances, including rim grades, percent of slope for sewer and drain lines, and contours, of two foot (2') intervals, for a distance of forty feet (40') from the sideline of any street layout, utility easement, the boundaries of any Flood Plain and Watershed Protection, and/or the boundary of any area which the Conservation Commission has previously determined to be subject to General Laws, Chapter 131, Section 40, "as built."
2. The Engineer shall obtain, from actual field survey and other sources as may be necessary, such information as is necessary to properly identify any "as built" locations of all underground utilities.

UTILITIES - DESIGN

7.3.2. Water Supply.

Subdivisions shall be designed to provide adequate water supply to all lots within the subdivision for domestic and fire protection use. Connection to the municipal system shall only be made when, in the judgment of the Planning Board (based on consultation with the Department of Public Works), the system has capacity to accommodate the additional service. Section 6.3.4 Paragraph 3 of these regulations describes the information that must be submitted for this determination and the process whereby it will be reviewed.

1. All subdivisions shall normally be serviced by municipal water supply.
2. In order to obtain municipal water service for a proposed subdivision, the applicant must demonstrate that the municipal water supply has sufficient quantity of water to serve the development, and that this water can be distributed at an adequate pressure for both fire safety and domestic use. The infrastructure for water distribution must be deemed adequate for the proposed use by the Planning Board. In cases where the available water, water pressure or water distribution infrastructure are considered inadequate for the proposed use, the applicant shall

be required to make on- or off-site improvements to improve the availability or distribution of water.

3. Water pipes and related equipment, such as hydrants and main shutoff valves, shall be installed within the subdivision as required by the Department of Public Works to provide all lots on each street with adequate water supply for domestic and fire protection use.
4. Where the subdivision is served by municipal water and the property adjacent to the subdivision is not yet subdivided, provisions shall be made for the future extension of the water system to the adjacent property. Water mains of such size and grade as will allow for such extension shall be provided, with extensions to the boundaries of the subdivision. The applicant shall provide easements, as necessary, to accommodate these extensions.
5. The water main within a new subdivision shall connect to the existing municipal system at two or more points, to maximize the effectiveness of the distribution system. The Applicant shall consult with the Department of Public Works, in determining the points of connection to the municipal system. Dead-end water mains will not be approved.
6. Water mains shall be located as shown on the Typical Cross Section.
7. Class 52 cement lined ductile iron pipe designed in accordance with ANS 21.50/SAWWA C150/AWWA C111 shall be used for all water mains. The type and size of pipe, fittings and appurtenances for the water system shall be in accordance with the requirements of the Department of Public Works. In no case shall a water main be less than eight-inch (8") diameter pipe.
8. Copper Type "K" service feeds shall be used for all house connections. All house connections shall be installed in accordance with the requirements of the Department of Public Works.
9. Fire Hydrants. Hydrants shall be provided every five hundred (500) running feet along each proposed road, unless a greater distance is approved by the Fire Chief in writing. In any case there shall be a minimum of one (1) hydrant in each subdivision. Mueller Super Centurion hydrants shall be used as approved by the DPW. 6" pipe shall be required for lateral connections to fire hydrants. The location of hydrants shall be approved by the Fire Chief.

8.2.2 Water Facilities.

1. All installations of water systems, including house connections to the lot boundary line, shall be as shown on the approved Plan.
2. The Department of Public Works shall approve all new connections to the Town of Scituate municipal water system. The installation of water systems, with their appurtenances, including the methods of construction and quality of materials used, shall be in accordance with the Rules and Regulations of the Department of Public Works and further as directed by the Director of Public Works.